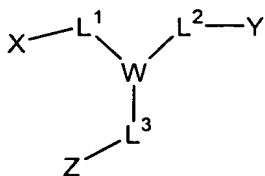


# SITE-SPECIFIC, COVALENT BIOCONJUGATION OF PROTEINS

## ABSTRACT OF THE DISCLOSURE

Heterofunctional crosslinking groups are provided having the formula:



(I)

wherein W is a covalent core component;  $L^1$ ,  $L^2$  and  $L^3$  are independently linking groups; X is a non-covalent or reversibly covalent protein tag binder; Y is an activatable covalent linking group; and Z is a protected or unprotected covalent crosslinking group.

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